

CoreFocus
Report
No.42

LC

Reversed-phase

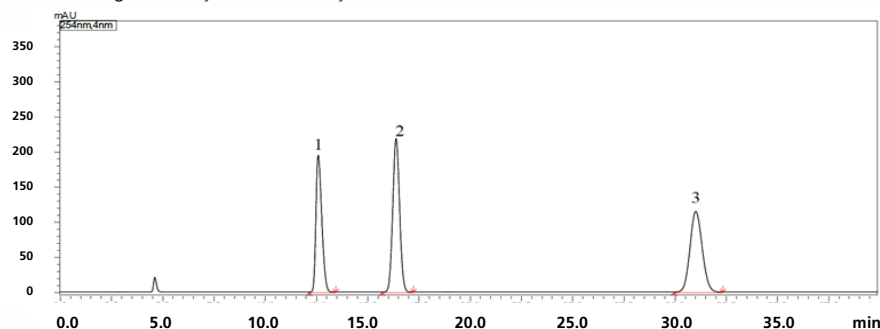
Shim-pack™ Series

Shim-pack Scepter™ C18-120

Analysis of Milrinone

Keywords: Phosphodiesterase 3 inhibitor, A member of the class of 2-pyridone

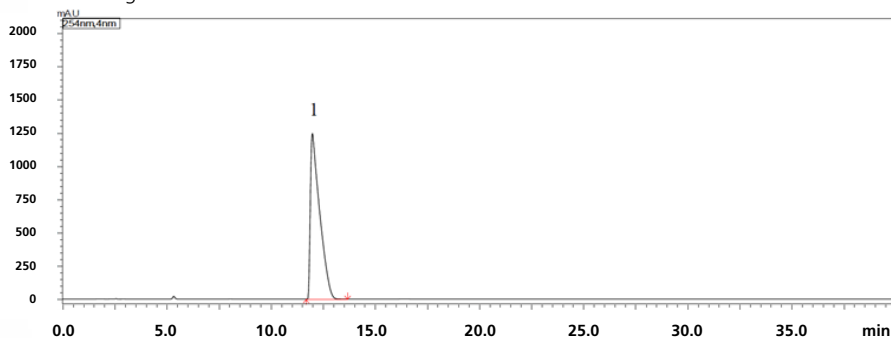
Chromatogram of System suitability solution



1. Milrinone
2. Impurity I
3. Impurity II

Standard Mix
1. Milrinone
2. Impurity I
3. Impurity II
(100 µg/mL in Mobile Phase)

Chromatogram of Milrinone



Column	: Shim-pack Scepter C18-120 (250 mm x 4.6 mm I.D., 5 µm), P/N : 227-31020-06
Mobile phase	: Water – Methanol – Sodium borate buffer solution = 725 : 250 : 25 (pH 9.0) containing 20% Sodium hydroxide aqueous solution
Flow rate	: 1.0 mL/min (Isocratic elution)
Column temp.	: 25°C
Injection vol.	: 20 µL
Vial	: LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01
Detection	: PDA UV at 254 nm

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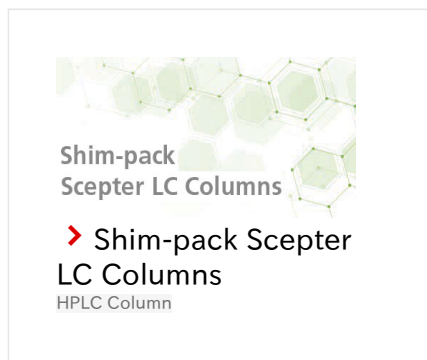
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